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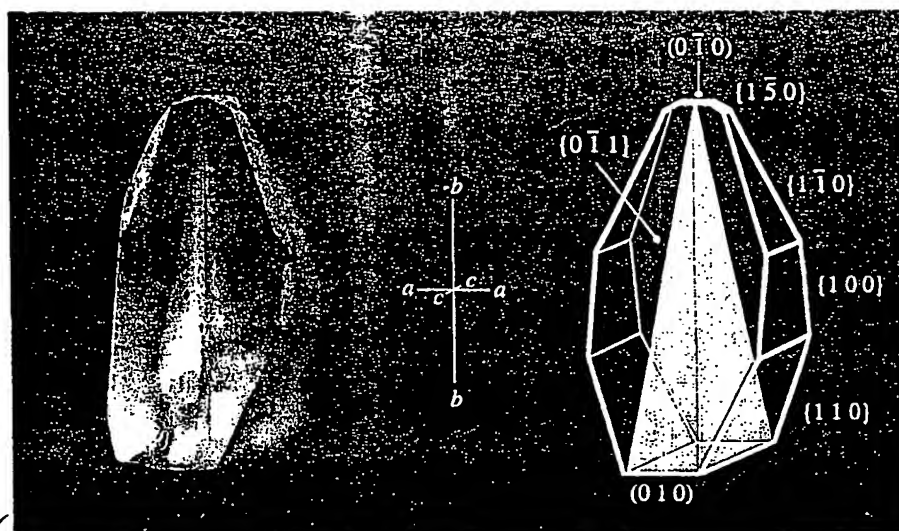
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(54) Title: PHARMACEUTICAL MATERIALS AND METHODS FOR THEIR PREPARATION AND USE



(57) Abstract: Pharmaceutical compositions comprising crystals of a pharmaceutically-acceptable crystal lattice component, and an active pharmaceutical ingredient different from and included within the crystal lattice component in a growth-sector specific orientation. The crystals are prepared using components and methods which yield crystals having suitable purity and efficacy for use in administering the active pharmaceutical ingredients to a patient. The crystals are typically combined with adjuvants such as excipients, diluents or carriers, and are preferably formulated into tablets, capsules, suspensions, and other conventional forms containing predetermined amounts of the pharmaceuticals. Also provided are methods for preparing the crystals, and methods for storing and administering the active pharmaceutical ingredient either included within the crystals or upon reconstitution of the crystals to a solution.

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